

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

STORM SYSTEMS BRING FIELDWORK TO A HALT

Numerous thunderstorms throughout the first part of the week kept farmers out of fields, according to the Minnesota Agricultural Statistics Service. Daily rainfall records for the month of June were topped in various places. Flooding was reported in various parts of the state, especially in a band across central Minnesota from Traverse through Pine counties where over 6 inches of rain fell in places. Some acreage of crops will be drowned out. In addition, tornadoes, straight-line winds, and hail caused localized damage. The statewide average temperature was 65.5 degrees, which is 2.1 degrees below normal.

Statewide topsoil moisture conditions as of June 27th were rated 2% short, 66% adequate, and 32% surplus.

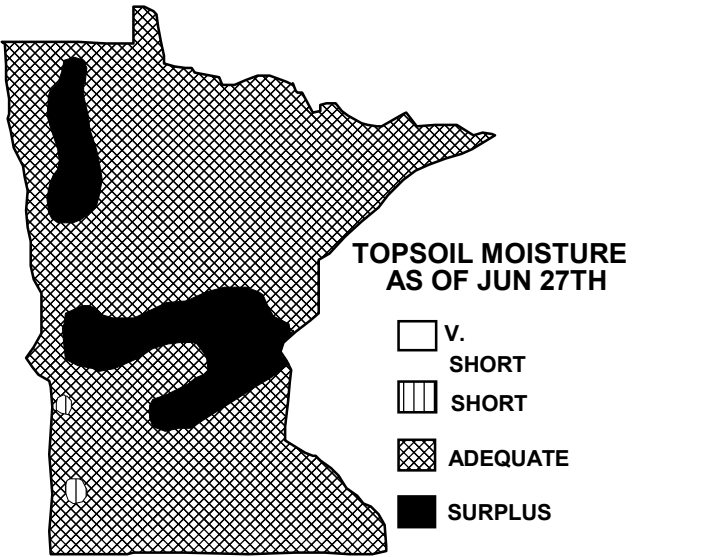
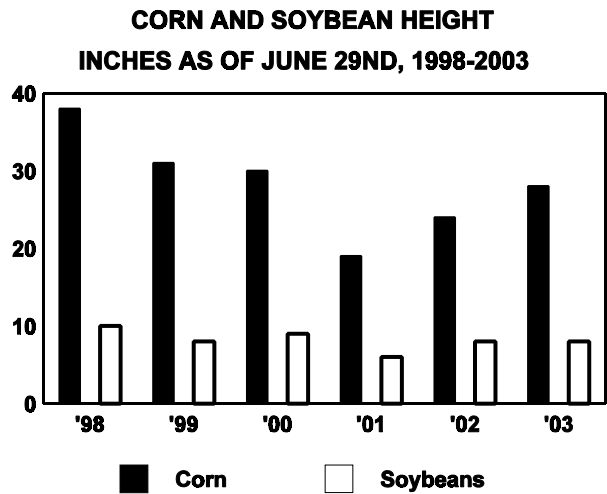
Corn height is 28 inches, compared with 24 inches last year and 28 inches for the five year average. Soybeans are 8 inches tall, compared with 8 inches for last year and for the 5-year average.

Corn condition rating of good to excellent is 81%, the same as last week. Soybean condition is rated 78% good to excellent versus 79% last week.

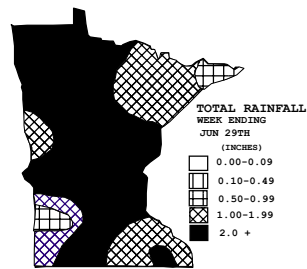
Spring wheat is 78% heading compared with 38% last week and the 5-year average of 48%. An estimated 76% of barley is heading versus 41% last week and 47% for the 5-year average. An estimated 71% of oat acreage is heading, compared with 43% last week and 63% for the 5-year average.

The first cutting of alfalfa is 91% complete, compared with 79% last year and 89% for the five year average.

Days Suitable for Fieldwork: 2.2					
		Very Short	Short	Ade-quate	Surplus
Topsoil Moisture (%)		0	2	66	32
Crop Progress as of June 29, 2003					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
Corn	Height-Inches	28	17	24	28
Soybeans	Height-Inches	8	6	8	8
Spring Wheat	Jointed	99	90	70	85
	Heading	78	38	27	48
Oats	Jointed	99	91	88	92
	Heading	71	43	60	63
Barley	Jointed	99	88	76	85
	Heading	76	41	33	47
Sweet Corn	Planted	96	92	95	97
Alfalfa Hay	First Cutting	91	84	79	89
Crop Condition as of June 27 in %					
	V. Poor	Poor	Fair	Good	Exc.
Pasture	1	2	16	67	14
Spring Wheat	0	2	14	46	38
Barley	0	1	10	64	25
Oats	1	2	13	68	16
Sugarbeets	1	3	17	38	41
Soybeans	1	3	18	58	20
Corn	1	2	16	61	20



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JUNE 30, 2003:
Temperatures averaged from 4.1 degrees below normal in the North-
west District to 0.1 degree below normal in the Southeast
District. Extremes: 39° in Grand Marais; 91° in Winona and Red
Wing. Precipitation averaged from 0.36 inch above normal in the
Northeast District to 3.15 inches above normal in the East Central
District. Greatest weekly total was 7.62 inches.



Precipitation and Temperature Summary for 6/23/2003 through 6/29/2003

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 1	Depart from Norm
<u>NW DIST 1</u>										
Crookston	79	50	62.7	-4.7	2.25	1.42	1.66	1.98	709	-52
Moorhead	79	50	63.0	-5.2	1.73	.92	-.28	1.55	751	-44
Warroad	84	43	62.8	-2.4	2.24	1.32	1.11	.80	670	30
<u>NC DIST 2</u>										
Grand Rapids	81	46	63.7	-1.4	1.95	.81	-1.05	-1.08	723	67
Intl. Falls	77	46	60.6	-3.1	2.07	1.13	.27	-1.50	678	64
Itasca	81	46	62.8	-1.1	3.66	2.63	2.99	2.75	655	51
<u>NE DIST 3</u>										
Duluth	80	45	60.5	-1.8	1.34	.31	-.50	-.15	527	-4
Grand Marais	63	39	50.1	-5.7	.58	-.24	-1.68	-.03	258	-58
Hibbing	77	46	61.4	-2.0	1.82	.71	-.87	-1.72	632	48
<u>WC DIST 4</u>										
Alexandria	76	50	63.8	-3.7	6.10	5.11	6.64	7.50	665	-85
Browns Valley	87	50	66.1	-3.4	7.62	6.80	5.70m	5.77m	722	-117
Canby	87	50	69.0	-1.9	.80	-.16	-.67	.35	786	-102
Fergus Falls	82	50	64.9	-2.7	1.68	.80	1.31	2.97	747	-18
Montevideo	85	49	67.6	-1.9	1.94	.97	-.49	.72	757	-67
Morris	81	52	66.2	-2.9	4.33	3.37	3.52	4.19	768	-61
<u>CENT DIST 5</u>										
Becker	86	52	68.9	1.4	3.95	2.89	1.80	3.68	754	-3
Hutchinson	88	51	69.8	-.4	4.98	3.95	1.39	1.42	781	-89
Olivia	85	50	68.4	-1.5	1.25	.22	-.68	-1.00	786	-80
St. Cloud	84	50	66.2	-1.2	2.06	1.04	-.99	2.31	727	-24
Staples	80	49	64.2	-1.2	3.77	2.78	2.35	4.42	663	-23
Willmar	83	51	67.3	-2.2	5.54	4.36	3.37	5.40	746	-95
<u>EC DIST 6</u>										
Aitkin	79	45	61.2	-3.3	3.46	2.39	1.77	3.13	645	14
MSP Airport	88	51	69.2	-1.6	3.60	2.58	.59	2.67	812	-79
St. Paul - UofM	86	53	70.4	-1.2	5.65	4.49	1.81	4.54	842	-98
<u>SW DIST 7</u>										
Lamberton	89	52	69.1	-1.8	3.23	2.33	1.74	.46	764	-134
Pipestone	85	47	67.6	-1.9	1.90	1.00	.74	4.96	713	-116
Redwood Falls	89	51	69.0	-2.8	.94	-.03	-1.39	-.92	807	-140
Worthington	88	50	69.1	-.2	2.05	1.00	.62	1.20	738	-78
<u>SC DIST 8</u>										
Faribault	82	49	65.8	-4.1	1.54	.55	.32	.57	768	-72
Waseca	90	51	69.6	-.3	1.70	.71	-.06	-2.02	765	-98
Winnebago	89	49	67.6	-2.9	2.21	1.16	-.25	-.66	771	-110
<u>SE DIST 9</u>										
Preston	88	50	69.5	.7	2.73	1.64	.30	-.87	733	-50
Red Wing	91	54	70.6	.7	1.28	.31	-1.50	-.56	770	-83
Rochester	87	51	68.2	-.2	2.17	1.19	1.02	1.54	713	-68
Rosemount	89	52	69.2	-.1	2.13	1.04	-1.21	1.70	775	-43
Winona	91	55	70.6	-1.5	1.22	.29	-.32	-.24	763	-178

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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